

# Concerns about the vaccine

Health has been indisputably one of the most significant issues for human life. New technologies are emerging every day to protect human health. Vaccines, one of these technologies, is a solution created with weakened disease virus, parts or secretions of the disease agent, given to the human or animal body to immunize against diseases. Due to the outbreak of the COVID-19 pandemic, vaccine discussions have entered our daily lives more than ever before. Child vaccination occupies one of the most critical places in vaccination debates. Each country has a vaccination policy, and childhood vaccinations are mandatory in many countries. As an example, for the United States, Paul claims that "it is recommended that U.S. babies receive 26 doses of vaccines" (2011). Despite some concerns, there have also been recent debates about mandatory child vaccinations. Although it has been argued that child vaccination should not be an obligation, it should be mandatory since vaccines are safe and provide herd immunity.

The first argument to the detriment of mandatory childhood vaccines is that vaccine use may have harmful effects on children, yet the usage of vaccines in children is very safe. Opponents of childhood vaccines argue that since vaccines carry certain risks, they are not secure and dangerous to human health. It is also believed that vaccines contain harmful and disease-causing ingredients such as aluminum. However, contrary to this belief, vaccines are safe for children and do not endanger their health. The most common side effect of the vaccine is an allergic reaction. Even though the vaccine carries the risk of an allergic reaction, the probability of a severe allergic reaction is very low. In addition, the vaccine ingredient, which is another concern, does not harm the human body, contrary to what is believed. As released by the Vaccine Knowledge Project, vaccine ingredients are present in very small amounts and these amounts are normal for the human body, so there is no evidence that they can cause any harm (2017). As a result, regards to concerns vaccines are not harmful.

Opponents of vaccines think that vaccines are insufficient for immunity, but they are helping to build immunity and protect people from diseases. People who oppose the vaccine states that the disease causes more immunity than vaccines. Although the illness provides more immunity, there are some side effects of being exposed to the disease in this way. First of all, the vaccine provides herd immunity, thus people who cannot be vaccinated for some reason are also protected from these diseases.

World Health Organization reports that over 20 million deaths have been prevented in 16 years through the measles vaccine (2017). Moreover, exposure to the disease can leave lasting side effects that can be life-long difficulties. The vaccine provides a milder course of the disease in case of exposure and protects us from these side effects.

As a result, concerns that vaccines are harmful do not reflect reality. Vaccines are reliable health products. Besides its rare side effects, it provides herd immunity and prevents human deaths. Understandably, my people are cautious and frightened, especially when it comes to children, but it will be best for future generations to ignore misinformation.